

## 2005 Regulatory Updates

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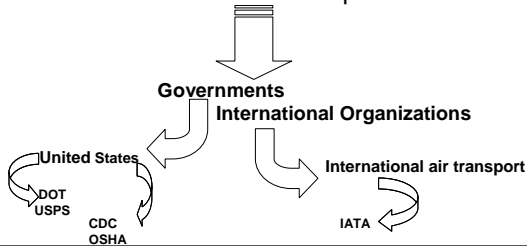
## Regulations



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## Regulatory Agencies

UN Committee of Experts



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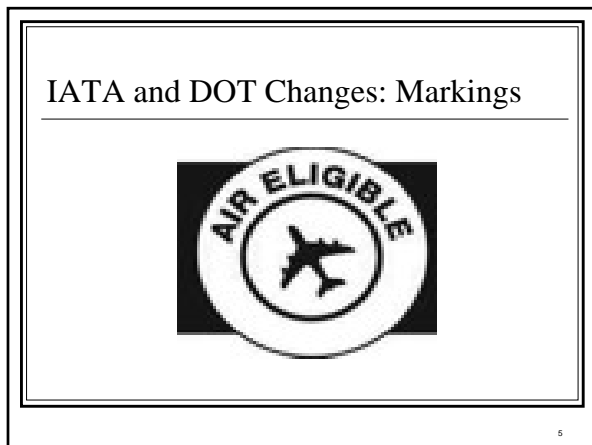
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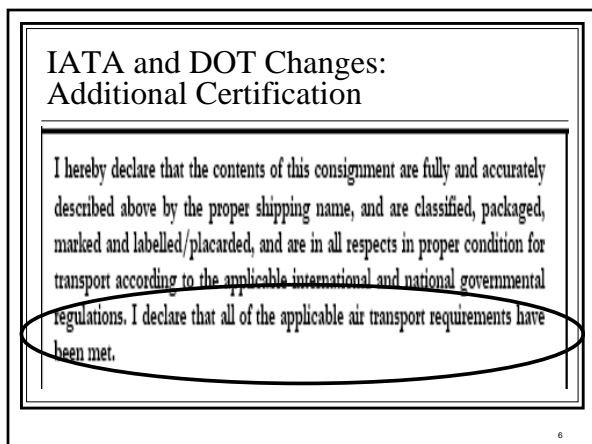
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## IATA 8.1.6.12: Certification

Additional Handling Information	
Emergency Telephone Number	
<p>I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and National Governmental Regulations.</p> <p>I declare that all of the applicable air transport requirements have been met.</p>	
<p>FOR RADIOACTIVE MATERIAL SHIPMENT ACCEPTABLE FOR PASSENGER AIRCRAFT, THE MATERIAL INTENDED FOR USE IN OR INCIDENT TO RESEARCH, MEDICAL DIAGNOSIS, OR</p>	

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## IATA 8.1.6.12: Certification

Additional Handling Information	
<p><b>I declare that all of the applicable air transport requirements have been met.</b></p>	
Emergency Telephone Number	
<p>I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and National Governmental Regulations.</p>	<p>Name/Title of Signatory</p> <p>Place and Date</p> <p>Signature (see warning above)</p>
<p>FOR RADIOACTIVE MATERIAL SHIPMENT ACCEPTABLE FOR PASSENGER AIRCRAFT, THE SHIPMENT CONTAINS RADIOACTIVE MATERIAL INTENDED FOR USE IN OR INCIDENT TO RESEARCH, MEDICAL DIAGNOSIS, OR TREATMENT.</p>	

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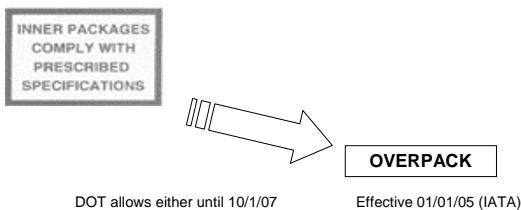
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## IATA and DOT Changes: Markings



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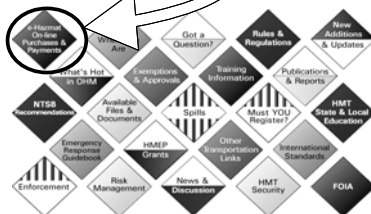
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- IATA training *should* include security awareness
- DOT requires security awareness training



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- <http://hazmat.dot.gov>



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- Format of Shipper's Declaration will change

NATURE AND QUANTITY OF DANGEROUS GOODS						
Dangerous Goods Identification				Quantity and Type of Packing	Packing Instructions	Authentication
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Packing Group			

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## IATA 3.6.2 Classification

- Division 6.2 - Infectious Substances
  - Removed references to risk groups
    - Category A infectious substance
    - Category B infectious substance

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## Category A

- Transported in a form that, when exposure to it occurs, is capable of causing permanent disability, life-threatening or fatal disease to humans or animals.
  - *Exposure* - release outside of the protective packaging resulting in physical contact with humans or animals
- Proper shipping name and UN #
  - Infectious substance, affecting humans (\*)
    - UN2814
  - Infectious substance, affecting animals (\*)
    - UN2900

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## IATA Table 3.6 D

### *Indicative examples of Category A \*\**

- *Bacillus anthracis* (cultures only)
- *Coccidioides immitis* (cultures only)
- *Francisella tularensis* (cultures only)
- *Mycobacterium tuberculosis* (cultures only)
- Ebola virus
- Monkeypox virus
- Variola virus

\*\*Refer to DGR for complete list

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## Category B

- An infectious substance that does not meet the criteria for inclusion in Category A
  - Human or animal material transported for research, diagnosis, disease treatment, etc.
    - Diagnostic or clinical cultures
- Proper shipping name and UN number
  - *Diagnostic specimens or Clinical specimens*
  - UN3373

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## IATA Changes: PI 650

- Use for Category B infectious substances
  - Primary receptacle
    - Liquid, 1 L (maximum)
      - Including ≤ 30 ml preservatives (Class 3, 8, or 9)
    - Solid, 4 kg (maximum)
  - Outer packaging (rigid)
  - Filling and packing
    - Follow manufacturers instructions
    - Provide instructions to patients

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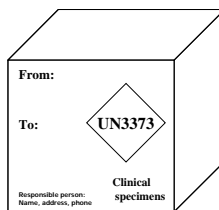
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## IATA Changes: PI650 Markings

- Required markings
  - "Diagnostic specimens" or "Clinical specimens"
  - UN3373 marking
- Optional marking\*
  - Responsible person
    - Name
    - Address
    - Phone



\*Place on package *or* airway bill

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## IATA Changes : PI 650 Air Waybill

- Category B infectious substances

- Proper shipping name
  - Diagnostic specimens
  - Clinical specimens
- UN number

- UN3373

- Responsible person\*
  - Name, address, phone number



\* Place on package or air waybill

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## IATA Changes: PI 602

- Use for Category A infectious substances

- Secure screw capped primary receptacles
  - Tape
  - Paraffin sealing tape
  - Manufactured locking closure
- Outer packaging must be rigid

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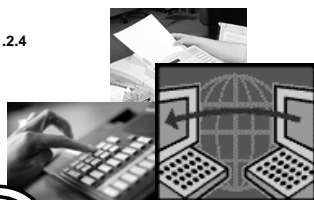
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## IATA Changes: PI 602

IATA 1 3.1, 4.2.1 & 9.1.2.4



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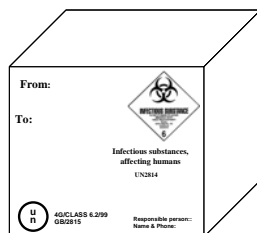
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## IATA Changes: PI602 Markings

- Category A infectious substances
  - Infectious substances, affecting humans
    - UN2814
  - Infectious substances, affecting animals
    - UN2900
- Technical name
  - Used only for documentation



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## IATA Changes: SP A140

NATURE AND QUANTITY OF DANGEROUS GOODS						
Dangerous Goods Identification						
Proper Shipping Name	Class or Division	UN or ID No.	Pack- ing group	Sub- sidi- ary risk	Quantity and Type of Packing	Inst. Packing Authorization
Infectious substances, affecting humans (suspected category A infectious substance)	6.2	UN2814			10 ml 1 fiberboard box	602

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## IATA Changes: SP A81

- The quantity limits in Columns J and L do not apply to body parts, organs or whole bodies.



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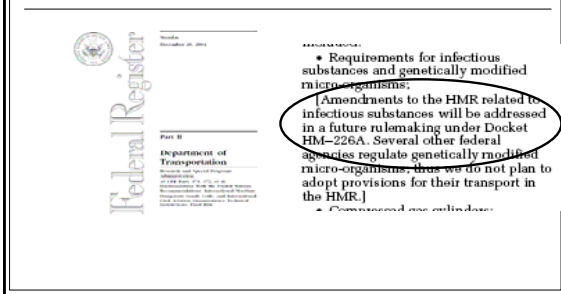
## IATA Information

- [http://www.iata.org/whatwedo/dangerous\\_goods](http://www.iata.org/whatwedo/dangerous_goods)




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## DOT: HMR Harmonization



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## Diagnostic Specimens Summary

Packing Instruction	Quantity Limits				Minimum dimension (one side)	Markings on Outer Packaging	Notation on Air Waybill
	Primary		Outer				
	Liquid	Solid	Liquid	Solid			
§173.199 (DOT) C023.8.6 (USPS)	500 ml	500 g	4 L	4 kg	††	Diagnostic specimens	††
650 (IATA)	1 L	4 kg			100 mm (4 in)	Diagnostic specimens or Clinical specimens  Responsible person* (name, address, phone)	Diagnostic specimens or Clinical specimens UN3373 Responsible person* (name, address, phone)

†† None specified  
\* Place on package or air waybill

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## Infectious Substances: Summary

Packing Instruction	Quantity Limits		Minimum dimension (one side)	Markings on Outer Packaging	Shipper's Declaration
	Passenger Aircraft	Cargo Aircraft Only			
§173.196 (DOT)	50 ml/g	4 L/kg	100 mm (4 in)	Infectious substance, affecting humans (technical name) UN2814	Technical name required
C023.8.5 (USPS)	50 ml/g	Not applicable		Infectious substance, affecting humans UN2814	Technical name Required
602 (IATA)	50 ml/g	4 L/kg		Responsible person (name, phone)	Use "suspected category A infectious substances", if appropriate

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## Resources

### IATA

- [http://www.iata.org/whatwedo/dangerous\\_goods/download.htm](http://www.iata.org/whatwedo/dangerous_goods/download.htm)
- Dangerous Goods Information HOTLINE  
Tel: +1 (514) 390 6770  
Fax: +1 (514) 874 2660  
e-mail: [dangood@iata.org](mailto:dangood@iata.org)
- Join DG Communications mailing list

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## Resources

### DOT

- <http://hazmat.dot.gov>
  - "Rules and Regulations"
    - Rulemakings and Federal Register Notices
- HAZARDOUS MATERIALS INFO LINE  
1-800-HMR49-22  
1-800-467-4922  
(202) 366-4488 (Washington, D.C.)

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## Resources

### United States Postal Service

- <http://www.usps.com/>

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